

SMPTE test films for television



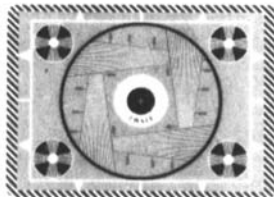
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a test film library for
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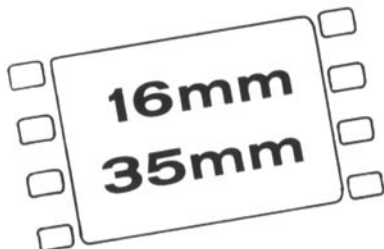
VIDEO TEST FILMS

TEST FUNCTIONS:

- alignment • resolution
- focus • linearity
- low and medium frequency response
- storage and transfer characteristics
- automatic brightness control
- qualitative picture analysis



FOR COLOR TELEVISION



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signal generators

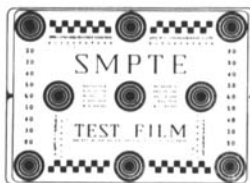
comparative and qualitative test of system's
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PROJECTOR PERFORMANCE

Test and Adjust:

- picture steadiness • jump and weave
- shutter timing (travel ghost)
- framing • focusing
- aperture alignment



SOUND REPRODUCTION *optical / magnetic*



Test, Adjust and Calibrate Projector

- scanning beam slit position
- multi-frequency response
- azimuth and focus of sound optical train
- signal level and balancing, output
- flutter
- scanning beam illumination

FOR THE SCREENING ROOM

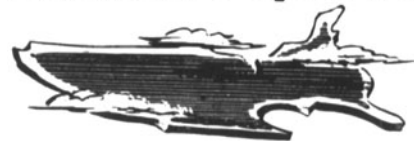
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section reports



Talks on the "Ranger VII Mission," and "Animation in Action," highlighted the October 17 meeting of the **Cape Kennedy Section** at the Deauville Hotel in Miami Beach.

Eighty-two members heard R. E. Hogan, RCA Ranger Project Manager, describe the six TV cameras and supporting communications system that constituted the payload of the Ranger VII spacecraft which NASA rocketed to the moon July 31. The Ranger TV system, built by RCA, contained two wide-angle and four narrow-angle cameras and more than 4,000 photos of the moon were relayed to earth in a split-second demonstration of technological skill during the 17 minutes the system was in operation before crashing.

The presentation described the TV sub-system and provided detailed information on camera capabilities. A camera was displayed with photographic prints of pictures available for viewing. A sound film was also shown of selected stills from one of the full-scan cameras, with shots taken from the time of initial shooting through the last picture transmitted before impact. Many pictures of the moon were on display, some of which had not been shown in newspapers. A model of the Ranger probe was also displayed. The question and answer period following the presentation lasted 45 minutes.

P. G. Arnest, Creative Arts Studios, Inc., then spoke on "Animation in Action." He described the development of an animated film from idea to production. He also discussed when to use artwork as opposed to live action; the different techniques involved (cartoon, realistic, symbolic), and the marriage of live action and artwork. Besides storyboard samples, art samples and color prints of artwork, several motion pictures were shown.

Prior to the two presentations, members toured WTVJ facilities for the "Jackie Gleason Show." Spears Mallis, Supervisor of Engineering Operations, guided the tour and answered questions concerning the equipment used.—W. G. Wiest, *Secretary-Treasurer*, 122 N. Indian Hill Circle, Cocoa, Fla.

Because of the widespread interest in the black-and-white reversal film process, the **Rochester** and **Toronto Sections** met in their annual "Little Convention" to discuss the subject and adopt a standard reversal process.

A reversal symposium, together with a program of papers on other television and film topics, formed the nucleus of the convention held at the King Edward Sheraton Hotel in Toronto September 18 and 19. The event was termed "very successful."

Two committees were formed, one to arrange the symposium; the other to take care of the additional papers session, hotel accommodations, registration, publicity, ladies program, and the banquet.

At the beginning of the symposium Friday, September 18, the keynote address was given by Roger J. Beaudry, SMPTE Canadian Governor, who pointed out the possibility of publishing the papers presented in the symposium, in the form of a manual. The reason, he said, is to correct a situation troubling reversal film users — the scarcity of published information on the subject.

Beaudry also said that "with the aid of information presented during this symposium, it is expected that delegates should be able, on return to their home base, to set up and operate a standard reversal process. The basic requirements for setting up such a process will be described, together with details of minimum control equipment and facilities. Additionally," he said, "information will be available on permissible modifications of the standard process that may be utilized in emergencies to salvage incorrectly exposed film."

At the close of the Symposium on Friday, a panel of experts answered questions from delegates, and Reversal Symposium Chairman, Lou T. Wise, was congratulated by those present for his excellent conducting of the event.

The convention continued on Saturday afternoon with the presentation of several technical papers. In addition, a ladies program was arranged which included a sightseeing tour of Toronto and a visit to Yorkdale, the world's largest climate controlled shopping center.

The Saturday evening banquet, followed by dancing, was enjoyed by the 92 in attendance.

According to those closest to the "Little Convention," Maurice French, Stanley Wilson, and Lou T. Wise, response to the event was very encouraging. One hundred and seventy-two delegates registered from various parts of the United States and Canada. The entire convention, including all social events, was financially self-supporting.

The Reversal Symposium Committee, in conjunction with the authors, is now assembling and arranging the tutorial material presented with the hope of early publication of the material.

After the Keynote Address, the following papers were presented at the Symposium.

Principles of Reversal Process: John W. Zuidema, Eastman Kodak Co., Rochester, N.Y.

Process Control Methods: Dr. Harry W. Knop, Jr., Technical Services, E. I. du Pont de Nemours and Co., Parlin, N.J.

Chemical Control of the Reversal Process: Irving Ewig, President, L. B. Russell Chemicals, Long Island City, N.Y.

Mechanical Control and Equipment for the Reversal Process: W. Groves and A. Bagdasarian, Hi-Speed Equipment Inc., Waltham, Mass.

Sensitometric Control of the Reversal Process: Dr. Harry W. Knop, Jr., and **Exposure Control:** Harold P. Field, President, Gamma Scientific Inc., San Diego, Calif.

Also presented at the Reversal Symposium were:

Lighting and Contrast Control: Harold Wright, Operations Liaison Officer,

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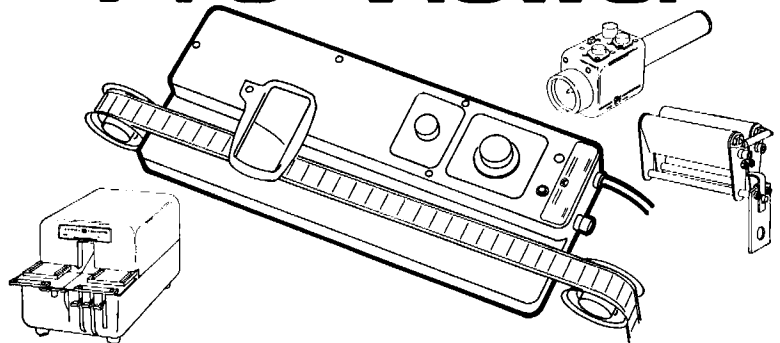
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Canadian Broadcasting Corp., Ottawa, Ont.

Duplicating: William D. Hedden, President, Calvin Productions Inc., Kansas City, Mo.

Sound Recording on Reversal Film and Its Inherent Problems: Robert C. Lovick, Photographic Technology Div., Eastman Kodak Co., Rochester, N.Y.

Processing Faults and Their Causes: Charles M. Wall, Eastman Kodak Co., Rochester, N.Y.

Are All The Questions Answered?: Ron Laidlaw, News Director, CFPL, London, Ont.

The following technical papers were presented at the Saturday afternoon session of the Convention.

Demonstration of Color Television: Ad-verte Productions Ltd., Toronto, Ont.

Video Tape Delay Centres: J. Major, Ampex of Canada

Optical Printing with Small Diameter Light-Source: James D. Clifford, Photographic Technology Div., Eastman Kodak Co., Rochester, N.Y.

European Equipment Advances: Glenn Robitaille, CFPL-TV, London, Ont. Construction and Design Problems for Bell Microwave Chain, R. E. McKay, Bell

Telephone

Performance of Photographic Soundtracks on Eastman Color Print Film, Type 5385, With Special Reference to 8mm Usage: J. G. Streiffert and J. F. Finkle, Research Laboratories, Eastman Kodak Co., Rochester, N.Y.

Maurice French, *Secretary-Treasurer*, 32 Dallington Dr., Willowdale, Ont.

Keith Famulener, Ampex Corp., discussed the development of coating technology as it applies to all types of aqueous or solvent applications at the meeting of the **Rochester Section** November 12 at the Dryden Theater.

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Famulener's talk was accompanied by slides showing details of various hopper designs and current patent applications. More than 200 persons attended the meeting.—A. L. Williams, *Secretary-Treasurer*, 92 Old North Hill, Rochester 10, N.Y.

The University of Colorado Audio-Visual Department, Boulder, Colo., played host to 35 members and 10 guests of the **Denver Section** on November 5.

Bill Lewis, chief engineer of Colorado's Audio-Visual Dept., along with Prof. Ron Gilpin and Dr. Richard Bell, spoke on the use of audio-visual devices for educational purposes. Dr. Bell's talk was presented on video tape since he was unable to be present at the meeting.

The aims and methods of the Audio-Visual Department were described by the speakers who provided illustrative examples. Many SMPTE members realized for the first time that the program at the University of Colorado has great scope and shows promise of becoming a major department and service facility of the university.

A tour of the entire facilities of the Audio-Visual Department followed the talks, and a social hour completed the evening.—Sidney Davidson, *Secretary-Treasurer*, 2424 S. Dahlia St., Denver, Colo.

Fifty-two members of the **Montreal Section** heard a joint lecture on "Exposure and Process Control for Reversal Photography for TV Applications," October 27 at CFTM television studios.

Harold Wright, Canadian Broadcasting Corp., and Jean-Marie Servais, Dominion Wide Photos, used the relationship between film density and the IRE waveform scale to prove that it is the highlights in TV film which are critical, not the blacks.

According to Wright and Servais, the advantage of reversal film holding its contrast in spite of processing changes led to some ground rules for TV photography: (1) expose for the highlights; and (2) set the face tones two stops lower than reference white. The use of Pentax and other spot exposure meters was recommended, and films showing results obtained with these points in mind were shown to have consistent video levels and gray scales.

After the meeting, members toured CFTM, the largest private French language TV station in the world. Refreshments were provided by CFTM.—Michael W. Barlow, *Chairman*, 5052 Chestnut Ave., Pierrefonds, Montreal, P.Q.

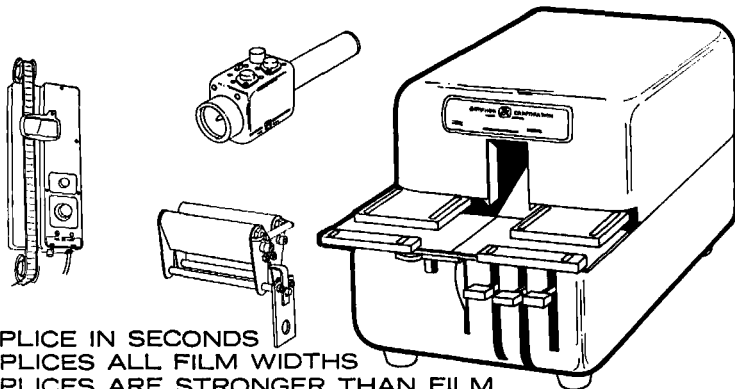
The Society's **Hollywood Section** met jointly on September 14 with members of the Society of Photographic Scientists and Engineers and the Society of Photo-optical Instrumentation Engineers. The meeting, which was held at the 20th Century-Fox Film Corp. Theatre Building, was attended by 355 persons.

The guest speaker, Ralph M. Evans of Eastman Kodak Co., Rochester, N.Y., gave his popular lecture on "Seeing Light and Color."

The pre-meeting dinner was attended by 60 persons.—Jack P. Hall, *Secretary-Treasurer*, c/o General Film Laboratories, 1546 N. Argyle Ave., Hollywood, Calif. 90028.

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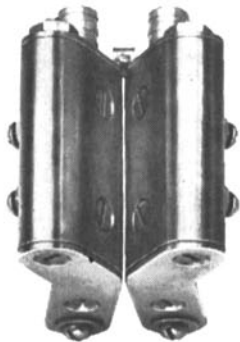
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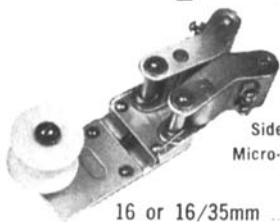
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A joint meeting of the **Huntsville, Atlanta and Nashville Sections** was held on September 12 at Holiday Inn in Huntsville.

Eighty-five members and guests were present for the talk by SMPTE Executive Vice-President Ethan M. Stifle on the Soviet motion-picture industry. Last year, Mr. Stifle was a member of a four-man delegation that studied motion-picture technical developments in the Soviet Union under the US-USSR exchanges program.

Included in the events of the day were a tour of facilities at the Marshall Space Flight Center and a Dutch-treat dinner.—Edith R. Deavers, *Secretary-Treasurer*, 3213 Cerro Vista St., Huntsville, Ala.



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These notices are published for the service of the membership and the field. They are inserted three months, at no charge to the member. The Society's address cannot be used for replies.

Positions Wanted

Motion-Picture Production Associate. Five yrs experience 16mm educational film area. Capable of handling all phases of production including printing and processing. Extensive photographic still background in commercial areas. BA from Univ. of Southern Calif. and partial graduate requirements for MA in Radio and Television. Presently with a small film unit at university. Am looking for employer who needs creativity combined with technical competence. Married. Age 30. Resume and references on request from John A. Werner, 1844 S. 43rd St., Lincoln, Nebr., 68506. (402) 488-5191.

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